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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/707,460	12/16/2003	Tsung-Huei Ren	ALIP0033USA	1459	
27765	7590 07/28/2006		EXAM	INER	
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION			NGUYEN, LINH THI		
	P.O. BOX 506 MERRIFIELD, VA 22116			PAPER NUMBER	
MERRIFIEL				TALLKNOWIDEK	
			2627		
				DATE MAILED: 07/28/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Commence	10/707,460	REN, TSUNG-HUEI					
Office Action Summary	Examiner	Art Unit					
	Linh T. Nguyen	2627					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after StX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period we failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed the mailing date of this communication. (D) (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 16 De	ecember 2003						
<u> </u>	action is non-final.						
, 							
closed in accordance with the practice under E							
Disposition of Claims							
4) Claim(s) 1-12 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-12</u> is/are rejected.							
7) Claim(s) is/are objected to.	·						
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
<u> </u>							
9) The specification is objected to by the Examiner							
10)⊠ The drawing(s) filed on <u>16 December 2003</u> is/a		·					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction							
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action of form P1O-152.					
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:)-(d) or (f).					
1. Certified copies of the priority documents	1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents	2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau							
* See the attached detailed Office action for a list of	of the certified copies not receive	ed.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail Da	•					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)					
· apor recommendo	о, <u> </u>						

Application/Control Number: 10/707,460

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DETAILED ACTION

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-12 are rejected under 35 U.S.C. 101 because the method of detecting a data structure does not present a concrete tangible result. As cited in the MPEP, "Claims to processes that do nothing more than solve mathematical problems or manipulate abstract ideas or concepts are complex to analyze and are addressed herein. If the "acts" of a claimed process manipulate only numbers, abstract concepts or ideas, or signals representing any of the foregoing, the acts are not being applied to appropriate subject matter. Benson, 409 U.S. at 71-72 175 USPQ at 676. Thus, a process consisting solely of mathematical operations, i.e., converting one set of numbers into another set of numbers, does not manipulate appropriate subject matter and thus cannot constitute a statutory process." For example, in claim 1, applicant claims a method of detecting a data structure providing a register for storage of a bit value and then calculating a number (bit) which is basically executing an algorithm operation, therefore, the claim does not include a practical application nor produce a tangible result. Claims 2-12 are reject for the same reasons as claim 1.

Citation of Relevant Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Shim et al (US Patent number 6268810) discloses a modulation method of generating RLL code by a conversion table.

Mori et al (US Patent number 5638064) discloses a method and apparatus of modulation converting m-bits data codes into digital modulation codes.

Yoshino et al (US Patent number 4634952) discloses an inverter composed of software embedded to calculate and prepare the bit pattern.

Although the claims have been searched and not/considered met by the prior art of record, no statement will be made in this office action regarding the claims being patentable over the prior art of record, due to the non-statutory nature of the claims under 101.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh T. Nguyen whose telephone number is 571-272-5513. The examiner can normally be reached on 8:30am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, A. Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LN July 20, 2006

SUPERVISORY PATENT EXAMINER